

Application No. 10/588363
Responsive to the office action dated August 5, 2009

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Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A structure, comprising:
 a transparent material; and
 a cured product provided on the transparent material and formed from a curable composition that comprises A curable composition for a transparent material
 which comprises a vinyl polymer (I) having the a main chain of which that is the a
product of living radical polymerization and which contains containing at least one crosslinkable silyl group, and
 an antioxidant (II).
2. (Currently Amended) The ~~curable composition structure~~ according to Claim 1,
 wherein the transparent material is selected from a material for building material, and
a construction material, a material for civil engineering material, a material for transport
transportation material, or a material for automobiles.
3. (Currently Amended) The ~~curable composition structure~~ according to Claim 2,
 wherein the transparent material is glass, a polycarbonate, or a (meth)acrylic resin.
4. (Currently Amended) The ~~curable composition structure~~ according to ~~any one of~~
Claim 1,
 wherein the structure further comprises ~~the transparent material~~ has a layer having
photocatalytic activity-~~due based~~ antistaining properties as ~~provided on the a surface of the~~
transparent material thereof.
5. (Currently Amended) The ~~curable composition structure~~ according to Claim 4,

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wherein the ~~surface-layer~~ having photocatalytic activity ~~due based~~ antistaining properties provided on the surface of the transparent material is a layer comprising a material having photocatalytic activity and ~~[[,]]~~ further comprising ~~[[,]]~~ a hydrophilic material.

6. (Currently Amended) The ~~curable composition-structure~~ according to ~~any one of~~ Claim 1,

wherein the antioxidant (II) is a hindered phenol compound.

7. (Currently Amended) The ~~curable composition-structure~~ according to ~~any one of~~ Claim 1,

~~which wherein the curable composition~~ further comprises a plasticizer (III).

8. (Currently Amended) The ~~curable composition-structure~~ according to Claim 7,
wherein the plasticizer (III) is a phthalic ester.

9. (Currently Amended) The ~~curable composition-structure~~ according to Claim 7,
wherein the plasticizer (III) is a polyoxyalkylene polymer.

10. (Currently Amended) The ~~curable composition-structure~~ ~~any one of~~ Claim 1,
wherein the vinyl polymer (I) has a molecular weight distribution of less than 1.8.

11. (Currently Amended) The ~~curable composition-structure~~ according to ~~any one of~~ Claim 1,

wherein ~~a vinyl monomer constituting the main chain of the vinyl polymer (I) is~~ comprises a polymer of mainly a vinyl monomer at least one selected from the group consisting of (meth)acrylic monomers, acrylonitrile monomers, aromatic vinyl monomers, fluorine-containing vinyl monomers and silicon-containing vinyl monomers as a major component.

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12. (Currently Amended) ~~The eurable composition structure according to any one of~~
Claim 11,

wherein the main chain of the vinyl polymer (I) is a (meth)acrylic polymer.

13. (Currently Amended) ~~The eurable composition structure according to any one of~~
Claim 1,

wherein the main chain of the vinyl polymer (I) is an acrylic polymer.

14. (Currently Amended) ~~The eurable composition structure according to Claim 13,~~
wherein the main chain of the vinyl polymer (I) is an acrylic ester polymer.

15. (Currently Amended) ~~The eurable composition structure according to any one of~~
Claim 1,

wherein the product of the living radical polymerization for producing as the main
chain of the vinyl polymer (I) is ~~the a~~ product of atom transfer radical polymerization.

16. (Currently Amended) ~~The eurable composition structure according to Claim 15,~~
wherein the product of atom transfer radical polymerization is obtained in a presence
of a transition metal complex catalyst used as the catalyst in the atom transfer radical
polymerization is comprising at least one composed element selected from the group
consisting of a VII, VIII, IX, X, or XI group element in the periodic table as a central metal.

17. (Currently Amended) ~~The eurable composition structure according to Claim 16,~~
wherein the transition metal complex ~~used as the catalyst~~ is a complex composed
having of copper, nickel, ruthenium, or iron as a central metal.

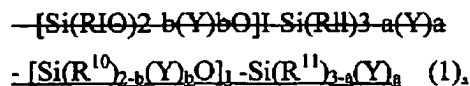
18. (Currently Amended) ~~The eurable composition structure according to Claim 17,~~
wherein the transition metal complex ~~used as the catalyst~~ is a complex of copper.

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19. (Currently Amended) The ~~curable composition structure~~ according to ~~any one of~~ Claim 1,

wherein the crosslinkable silyl group of the vinyl polymer (I) is represented by ~~the a~~ following general formula 1:



[[{]] wherein [[,]] R¹⁰ and R¹¹ are the same or different, and each of R¹⁰ and R¹¹ is independently an alkyl group containing 1 to 20 carbon atoms, an aryl group containing 6 to 20 carbon atoms, an aralkyl group containing 7 to 20 carbon atoms, or a triorganosiloxy group represented by (R')₃SiO - (in which R' represents a univalent hydrocarbon group containing 1 to 20 carbon atoms and the three R' groups may be ~~the the~~ same or different) and, when there are two or more R¹⁰ or R¹¹ groups, they may be the same or different; Y represents a hydroxyl group or a hydrolyzable group, and [[,]] when there are two or more Y groups, they may be the same or different[[;]], a represents 1, 2 or 3, b represents 0, 1 or 2, and l represents an integer of 0 to 19, provided that ~~the a~~ relation

$$a + lb \geq 1$$

should be satisfied. [[{]]

20. (Currently Amended) The ~~curable composition structure~~ according to ~~any one of~~ Claim 1,

wherein the crosslinkable silyl group of the vinyl polymer (I) is located at [[the]]a terminus of the main chain.

21. (Currently Amended) The ~~curable composition structure~~ according to ~~any one of~~ Claim 1,

~~which wherein the curable composition~~ further comprises a polyoxyalkylene polymer (IV) ~~containing comprising~~ at least one crosslinkable silyl group in an amount ~~within the in~~ a range of 0.1 to 1,000 parts by weight per 100 parts by weight of the vinyl polymer (I).

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22. (Currently Amended) The ~~curable composition structure~~ according to ~~any one of~~ Claim 1,

~~which wherein the curable composition~~ further comprises a polymer (V), ~~which contains containing~~ a crosslinkable silyl group, as ~~obtained by a product of a radical~~ polymerization technique ~~other than, which is different from the~~ living radical polymerization, in an amount within ~~the a~~ range of 3 to 300 parts by weight per 100 parts by weight of the vinyl polymer (I).

23. (Currently Amended) The ~~curable composition structure~~ according to ~~any one of~~ Claim 1,

~~which wherein the curable composition~~ further comprises 0.1 to 20 parts by weight of a tin curing catalyst (VI) per 100 parts by weight of the vinyl polymer (I).

24. (Canceled)

25. (Canceled)

26. (Canceled)